




DEPARTMENT OF THE NAVY

NAVAL MEDICAL COMMAND  
WASHINGTON, D.C. 20372

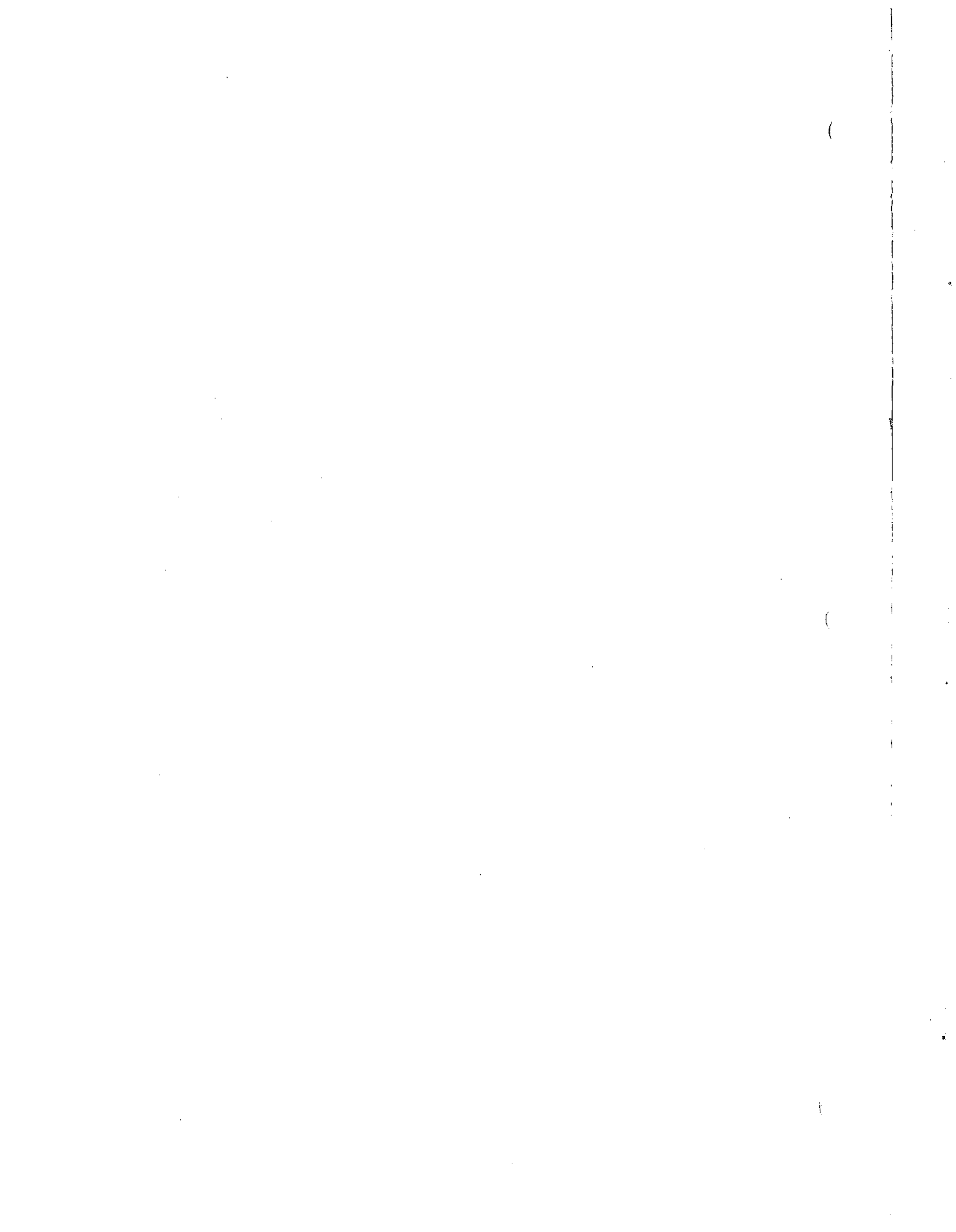
6470 IN REPLY REFER TO  
Ser 21/41218201  
27 Dec 84

From: Commander, Naval Medical Command  
To: All Ships and Stations with Medical Department Personnel  
Subj: CHANGE TO RADIATION HEALTH PROTECTION MANUAL, NAVMED P-5055  
Encl: (1) Advance Change 6 to NAVMED P-5055

1. Purpose. To issue a change to the subject manual.
2. Discussion. Radiation medical examinations are conducted following guidance in the Manual of the Medical Department, NAVMED P-5055 and other Medical Department directives. Requirements of the examination are unique only in the purpose statement, microscopic urinalysis, hemogram, slit lamp exam and specific history questions. The examination is documented on forms completed by the examinee and Medical Department personnel at the time of the examination. This change states requirements unique to radiation medical exams, supplements guidance in MANMED regarding entries on the examination forms and incorporates information from NAVMEDCOMNOTE 6470 of 28 November 1983.
3. Action.
  - a. Remove pages iii and iv from the current manual and replace with pages iii and iv of enclosure (1).
  - b. Remove pages 2-13 through 2-29 from the current manual and replace with pages 2-13 through 2-22 of enclosure (1).
  - c. Change the phone number for Naval Medical Command (MEDCOM-21) on page 3-3 to: Autovon 294-1182/1185; Commercial (202) 653-1182/1185; after working hours: Autovon 294-1327; Commercial (202) 653-1327.
  - d. Change address on page 6-12 (paragraph 6-6(6)(a)(4)) to Commander, Naval Medical Command, National Capital Region (Code 37), Bethesda, Maryland 20814-5000. Plain language address: NAVMEDCOM NATCAPREG BETHESDA MD.
  - e. Make an entry in the record of change.
4. Cancellation. When the required action is completed and the change entered in the record of change.

  
J. J. QUINN  
Acting





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excess of 10 percent, but less than 50 percent of a maximum permissible body burden (MPBB) of radioactive material(s) (not intentionally administered for medical diagnosis or treatment) he may be considered qualified for duties involving occupational radiation exposure pending NAVMEDCOM review. If an individual exceeds 50 percent MPBB he shall be disqualified from duties involving occupational radiation exposure pending NAVMEDCOM review. (Maximum permissible body burdens are listed in NCRP Report No. 22 (NBS Handbook 69).)

(b) Radon Breath Analysis. The presence of more than 0.5 picocuries of radon per liter of expired air is considered disqualifying.

## 2-7. RECORDS/DOCUMENTATION

(1) Radiation medical examinations require specific studies or evaluations related to disease or conditions that may be associated with exposure to ionizing radiation. Specific requirements include a complete blood count with differential count, microscopic urinalysis, slit lamp examination (for PE and TE) and specific medical history questions.

(2) The physical examination is recorded on SF-88, Report of Medical Examination for military or SF-78, Certificate of Medical Examination for civilians. Guidelines for completing the SF-88 and SF-78 are in the Manual of the Medical Department, NAVMED P-117 and Federal Personnel Manual (FPM) 339 respectively. Other than items identified in paragraph 2-11, entries are to be completed as prescribed in MANMED or FPM. The format of entries specified in Chapter 16 of MANMED are provided for guidance only. Deviations in the format of these entries are permitted provided the entries are legible, nonambiguous, and contain all the information required by MANMED. Examinations deficient in clinical scope may be amended in accordance with paragraph 2-8.

(3) Records of examinations performed by physician assistants must be countersigned in accordance with the NAVMEDCOM instruction on utilization of physicians assistants.

(4) All radiation medical examinations require a medical officer's/physician's signature in block 82 of the SF-88 or in the conclusion section of the SF-78. This medical officer/physician is responsible for reviewing the complete medical examination including laboratory and other information to determine qualification for occupational exposure to ionizing radiation. Reviewing medical officer/physician may be the same as the examining medical officer/physician. The SF-88 block 82 entry shall include the date of final review in the margin immediately below the signature of the reviewing official.

(5) Medical history shall be recorded on SF-93. Use of an overprint or rubber stamp on a SF-93 for required supplemental history questions is acceptable. (See sample overprinted SF-93 in Appendix A.)

(6) For block 74 (SF-88) or block C.4. (SF-78) and block 25 (SF-93), each entry concerning an abnormal finding shall have an indication of CD (considered disqualifying) or NCD (not considered disqualifying) after each entry.

(7) Addendum SF-78, SF-88, and SF-93 forms may be used as appropriate. See paragraph 2-8.

(8) Results of special examinations and consultations.

(a) Slit lamp examination results are to be recorded on a SF-513. The sample SF-513, slit lamp exam overprint (Appendix A) may be used to record the slit lamp examination. Other overprinted SF-513's are acceptable if they contain the same information and are approved by NAVMEDCOM.

(b) Consultative reports from specialists shall be recorded on SF-513 or on letterhead stationary if the specialist is in private practice.

(c) Results of bioassay, internal monitoring, etc., which document monitoring for internally deposited radioactivity, shall be recorded and reported as required in Chapter 5.

(9) Non-completion of radiation medical examinations shall be documented with specific reasons. The basis for non-compliance with radiation medical examination requirements is to be documented in the medical record in block 73 of the SF-88 or in block 3, Part B, of the SF-78.

(10) Radiation medical examinations including those required to be submitted to NAVMEDCOM, shall clearly state whether the individual is qualified or disqualified for occupational exposure to ionizing radiation.

(11) No radiation medical examination report or portion thereof shall be removed from an individual's health record.

(12) Radiation medical examinations recorded on other forms prior to the promulgation of this change need not be transcribed.

(13) The fact that a termination medical examination is required shall be entered on the front of the individual's health record jacket as "Termination radiation medical examination required in accordance with NAVMED P-5055."

2-8. PROCEDURES FOR CORRECTING DEFICIENT RADIATION MEDICAL EXAMINATION/ACCEPTING OTHER MEDICAL EXAMINATION FINDINGS (SF-88 AND SF-93)

(1) A radiation medical examination is deficient in scope when clinical evaluations unique to the examination are missing or incomplete. Examples include missing hemogram results, microscopic urinalysis not performed, positive history of cancer with no comment by the examiner, etc. Use of the addendum described below should be limited to situations requiring additional clinical or laboratory evaluations that can't be recorded in the remarks section of the SF-88. Correction of administrative errors may be made with entries in block 73 of SF-88 or block 25 of SF-93 or in an addendum if there is insufficient space in blocks 73 or 25.

(2) Procedures for SF-88:

(a) If the purpose of the medical examination, block 5 of SF-88, is "Occupational Exposure to Ionizing Radiation" and the medical examination is clinically deficient, the deficiency is to be corrected by appropriate entries in block 73 of SF-88. Entries in block 73 shall include date, examining facility, significant interval history, additional information to correct deficiency, statement of PQ/NPQ and medical officer's signature. If there is inadequate space in block 73, an Addendum SF-88 shall be prepared. The following entry shall be made at the top front page of the Addendum SF-88: "Addendum to medical examination dated \_\_\_\_\_". Blocks 1-3, 5, 6, 79 or 80, and 82, and appropriate blocks for information being added shall be completed on the Addendum SF-88. Other blocks on the Addendum SF-88 may be left blank. The purpose of examination, block 5, i.e. (PE), (RE), (SE) (TE) is to be the same on the Addendum SF-88 as the SF-88 being corrected. The Addendum SF-88 is to be placed in the health record immediately following the SF-88 to which the Addendum applies.

(b) If the purpose of a medical examination, block 5 of SF-88, is other than occupational exposure to ionizing radiation and the medical examination is less than one year old, deficiencies in the medical examination or deficiencies in its scope for a radiation medical examination shall be corrected as described in (a) above. The type of radiation medical examination, i.e. occupational exposure to ionizing radiation (PE), (RE) (SE) or (TE) shall also be entered in block 73 of SF-88 (in addition to other information required in (a) above), or block 5 Addendum SF-88 as appropriate. If a medical examination performed for a purpose other than occupational exposure to ionizing radiation is over 1 year old, it can not be used as a radiation medical examination.

(c) The number of attached sheets, if any, to the original SF-88 shall be indicated in the space provided opposite block 82.

(3) Procedures for SF-93:

(a) If the purpose, block 5, of SF-93 is occupational exposure to ionizing radiation, and the SF-93 is clinically deficient, the deficiency shall be corrected by completing an Addendum SF-93.

The following entry shall be made on the top front page of the Addendum SF-93: "Addendum to medical history dated \_\_\_\_\_". Blocks 1 and 2, individual's signature and date, typed or printed name of physician or examiner, date and physician's signature, and appropriate blocks for the required information to correct the deficiency shall be completed on the Addendum SF-93. Other blocks on the Addendum SF-93 may be left blank. The purpose, block 5, i.e. (PE), (RE) (SE) or (TE) is to be the same on the Addendum SF-93 as the SF-93 being corrected. The Addendum SF-93 is to be placed in the health record immediately following the original SF-93. The number of attached pages to the original SF-93 should be indicated in the space provided on lower right back of the original SF-93.

(b) If the purpose of the report of medical history SF-93 is other than occupational exposure to ionizing radiation, an Addendum SF-93 with the proper purpose and appropriate type of radiation medical examination, i.e. (PE), (RE), (SE), (TE) shall be completed. The Addendum SF-93 shall be completed in its entirety. The following entry shall be made at the top front page of the Addendum SF-93: "Addendum to medical history dated \_\_\_\_\_". The Addendum SF-93 shall be filed immediately following the original SF-93. The number of attached pages to the original SF-93 should be indicated in the space provided on the lower right back of the original SF-93.

(3) Radiation medical examinations deficient in scope dated prior to 1 January 1982 shall not be corrected. Deficient radiation medical examinations dated after 1 January 1982 shall be corrected in accordance with the procedures above.

## 2-9. MEDICAL RECORDS REQUIRING SUBMISSION TO NAVMEDCOM

(1) The following findings on a medical history or medical examination shall be submitted to NAVMEDCOM, MEDCOM 21.

(a) History of occupational radiation exposure or internal deposition in excess of that allowed by this manual.

(b) History of radiation therapy.

(c) If as a result of a bioassay, internal monitoring, or other techniques, it is determined that an individual has in excess of 10 percent of a maximum permissible body burden (MPBB) of radioactive material (not intentionally administered for medical diagnosis or treatment), a report of the findings, including a description of the analysis technique, shall be forwarded to NAVMEDCOM. (Maximum permissible body burdens are listed in NCRP Report No. 22 (NBS Handbook 69).)

(d) Results of medical examinations for which the requirements are not explicit under sections 2-6(2), (3), (4) and (6).



(e) Any medical examination or condition which the cognizant medical officer/commanding officer recommends NAVMEDCOM review.

(f) All situational radiation medical examinations.

(2) Copies of all radiation medical examinations which disqualify an individual from receiving occupational exposure to ionizing radiation shall be submitted to NAVMEDCOM, MEDCOM 21 for review.

(3) No other radiation medical examination need be submitted.

## 2-10. IMPLEMENTATION

(1) Medical examinations and health record procedures performed prior to the implementation of this change shall conform to the standards prescribed at the time of the examinations.

(2) Questions concerning the performance or documentation of radiation medical examinations, which are not explicitly covered in this manual, may be referred to NAVMEDCOM, MEDCOM 21.

## 2-11 SAMPLE INSTRUCTIONS FOR COMPLETION OF SF-88, SF-93, and SF-78

(1) Sample Instructions for Completion of SF-88--  
Instructions for completing medical examination forms. The format of entries specified in Chapter 16 of MANMED are provided for guidance. Deviations in the format of these entries are permitted provided the entries are legible, nonambiguous, and contain all the information required by MANMED. Entries in the form are administrative or clinical and reflect the examinee's medical condition at the time of the examination. Examinations deficient in clinical scope, such as missing a laboratory or clinical evaluation, should be corrected in accordance with paragraph 2-8 of this manual.

### a. SF-88 Report of Medical Examination

	<u>Explanation</u>	<u>Model Entry</u>
Item 1-4	Administrative information.	Entries must be legible and contain required information. See MANMED.
Item 5	Purpose of Examination. Enter purpose in regard to occupational exposure to ionizing radiation. Abbreviations in capital letters to indicate	Occupational Exposure to Ionizing Radiation (PE)

type of radiation medical examination should be entered in parentheses. Preplacement Examination (PE). Reexamination (RE). Situational Examination (SE). Termination Examination (TE). Secondary purpose may be entered here or in Item 16. See Article 2-2.

- Item 6-17      Administrative information.      Entries must be legible. See MANMED.
- Item 18-44      Clinical information.      Each item requires an individual mark in the appropriate column. See MANMED.
- Item 45a-c      Clinical information.      Enter appropriate information. See MANMED.
- Item 45d      Microscopic. Results of microscopic examination should be recorded in conventional terminology.
- Item 46-49      Clinical information.
- Item 50      Other tests. Record the hemogram. Additional hemograms or comments may be recorded in block 73, SF 88. The abbreviations below are recommended, but not required.  
WBC-White Blood Count, HCT-Hematocrit, HGB-Hemoglobin (optional test), N-Neutrophile, L-Lymphocyte, M-Monocyte, E-Eosinophile, B-Basophile, BF-Band Forms, juveniles. Units for HCT and HGB are not required. See MANMED and Article 2-6 and Sample SF 88.
- |     |             |
|-----|-------------|
| HCT | 48          |
| HGB | 16.1        |
| WBC | 6600 or 6.6 |
| N   | 70          |
| L   | 21          |
| M   | 2           |
| E   | 4           |
| B   | 3           |
| BF  | 0           |
- Item 51-73      Clinical information. (Metric equivalents are administrative)      Entries must be clear and legible. See MANMED.
- Item 74      Summary of Defects and Diagnoses. Summarize any



margin beneath the signature in block 82. See MANMED and Article 2-7.

b. SF-93 Report of Medical History--

See MANMED and previous articles of this chapter for specific requirements. The examples given below are acceptable by current directives.

	<u>Explanation</u>	<u>Model Entry</u>
Item 1-7	Administrative information. NOTE: Purpose of Examination. Enter purpose in regard to occupational exposure to ionizing radiation. Abbreviations in capital letters to indicate type of examination for occupational exposure should be entered in parentheses: Pre-placement Examination (PE). Reexamination (RE). Situational Examination (SE). Termination Examination (TE). List other purpose(s). See MANMED and Article 2-6.	Entries must be legible. Occupational Exposure to Ionizing Radiation (TE).
Items 8-24	Clinical information. NOTE: Questions regarding individual and family medical history may be completed in Item 11. See Article 2-6, Sample SF-93, and MANMED.	
Item 25	Physician's Summary. Shall be prepared and signed by the person performing the physical examination. Indicate (CD) considered disqualifying or (NCD) not considered disqualifying after each abnormal finding. See MANMED and Article 2-6.	
Last Line on Reverse side of SF-93	Typed or printed name of physician or examiner; Date; Signature. "Number of Attached Pages" may be left blank if none. See MANMED.	

Item 4h Urinalysis. Follow-up evaluation will be done at the discretion of the examining physician. May be documented on Supplemental SF-513.

Item 4j Heart, blood pressure and pulse. Record the results of EKG if performed. The results of the complete blood count may be listed in this block also. CBC results may be documented on a supplemental SF-513.

CBC: HCT-48;  
HGB-16.1; WBC-6600 or  
6.6; N-70; L-21;  
M-2; E-4; B-3; BF-0

Conclusions

(1) It shall be clearly stated whether the individual is qualified or not qualified for occupational exposure to ionizing radiation.  
(2) Typed or printed name of Reviewing Physician and Date. This space shall always be completed to indicate final review of qualification. The same physician may sign here and in block 3, part C. The reviewing physician is responsible for reviewing the complete medical examination including all laboratory data and other information (e.g. results of requested consultations and private physicians records and/or opinions) to determine qualification for occupational exposure to ionizing radiation.

Occupational Exposure  
to Ionizing Radiation  
Qualified  
Not Qualified

c. Sample Instructions for Completion of SF-78--

See Federal Personnel Manual and previous articles of this chapter for specific requirements. The examples given below are acceptable by current directives.

	<u>Explanation</u>	<u>Model Entry</u>
Item 1-6 Part B.	Administrative information.	Entries must be legible.
Item 1	Purpose of Examination. Enter purpose in regard to occupational exposure to ionizing radiation. Abbreviations in capital letters to indicate type of examination for occupational exposure should be entered in parentheses. Preplacement Examination (PE); Reexamination (RE)'s. Situational Examination (SE); Termination Examination (TE). See Article 2-2.	Occupational Exposure to Ionizing Radiation (PE).
Item 2-4 Part C.	Administrative information.	Entries must be legible
Item 1	Examining physician's typed or printed name.	
Item 2	Complete address of examiner or examining facility.	
Item 3	Examining physician's signature and date of examination.	

SF-78, Reverse Side

Item 1-4	Clinical information (NOTE the following specific items).	Entries must be legible.
Item 2	Eyes. The SF-78 shall be supplemented with the results of the tonometry and slit lamp examinations. These results may be entered on a supplemental SF-513. See Article 2-6, 2-7 and sample SF 513, slit lamp overprint.	